

Title (en)  
NANOPOROUS MATERIALS AND METHODS OF FORMATION THEREOF

Title (de)  
NANOPORRÖSE MATERIALIEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
MATIERES NANOPOREUSES ET PROCEDES DE FORMATION ASSOCIES

Publication  
**EP 1535290 A4 20060614 (EN)**

Application  
**EP 02761416 A 20020815**

Priority  
US 0226276 W 20020815

Abstract (en)  
[origin: WO2004017335A1] Low dielectric materials are described herein that comprise a plurality of pores or nanopores in addition to the ultrananopores. It is further contemplated that the low dielectric materials described herein will have a dielectric constant of less than about 3. The dielectric materials are formed from polymer compositions, wherein the polymer compositions comprise a plurality of monomers and wherein at least one monomer comprises a radical precursor bonded to a structural precursor. Further, methods of forming dielectric materials from polymer compositions are presented. The figure shows the chemical structure for a methyl/t-butyl Low organic Content/Low Organic Siloxane Polymer.

IPC 1-7  
**H01B 3/02**; **H01B 3/30**; **H01B 3/46**; **B32B 3/26**; **C08G 65/00**; **C08G 77/04**

IPC 8 full level  
**C08L 71/10** (2006.01); **B32B 3/26** (2006.01); **C08G 65/00** (2006.01); **C08G 77/04** (2006.01); **C08G 77/12** (2006.01); **C08G 77/20** (2006.01); **C08L 83/05** (2006.01); **H01B 3/02** (2006.01); **H01B 3/30** (2006.01); **H01B 3/42** (2006.01); **H01B 3/46** (2006.01); **H01L 21/208** (2006.01); **H01L 21/316** (2006.01)

CPC (source: EP US)  
**C08G 77/12** (2013.01 - EP US); **C08G 77/20** (2013.01 - EP US); **H01B 3/46** (2013.01 - EP US); **H01L 21/02126** (2013.01 - US); **H01L 21/02203** (2013.01 - US); **H01L 21/02216** (2013.01 - US); **H01L 21/02282** (2013.01 - US); **H01L 21/31695** (2013.01 - US); **H01L 21/02126** (2013.01 - EP); **H01L 21/02203** (2013.01 - EP); **H01L 21/02216** (2013.01 - EP); **H01L 21/02282** (2013.01 - EP)

Citation (search report)

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- [X] WO 0129052 A1 20010426 - ALLIED SIGNAL INC [US]
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- [X] US 6359099 B1 20020319 - HACKER NIGEL P [US], et al
- [X] US 6313185 B1 20011106 - LAU KREISLER [US], et al
- See also references of WO 2004017335A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 2004017335 A1 20040226**; AU 2002326687 A1 20040303; CN 1650372 A 20050803; EP 1535290 A1 20050601; EP 1535290 A4 20060614; JP 2005536026 A 20051124; TW I227518 B 20050201; US 2007100109 A1 20070503

DOCDB simple family (application)  
**US 0226276 W 20020815**; AU 2002326687 A 20020815; CN 02829449 A 20020815; EP 02761416 A 20020815; JP 2004529035 A 20020815; TW 91121145 A 20020916; US 52025202 A 20020815